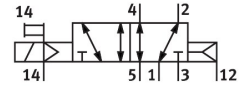


# Air solenoid valve MFH-5/2-D-3-S-C

Part number: 151032

**FESTO**



[PDF General operating condition](#)

## Data sheet

| Feature                                | Value                                       |
|----------------------------------------|---------------------------------------------|
| Valve function                         | 5/2, monostable                             |
| Actuation type                         | Electrical                                  |
| Width                                  | 65 mm                                       |
| Standard nominal flow rate             | 4500 l/min                                  |
| Pneumatic working port                 | Sub-base, size 3 as per ISO 5599-1<br>G1/2  |
| Operating voltage                      | Via solenoid coil, to be ordered separately |
| Operating pressure                     | -0.09 MPa ... 1.6 MPa                       |
| Operating pressure                     | -0.9 bar ... 16 bar                         |
| Structural design                      | Piston gate valve                           |
| Reset method                           | Pneumatic spring                            |
| Certification                          | c UL us - Recognized (OL)                   |
| Maritime classification                | See certificate                             |
| Certificate issuing authority          | DNV-TAA000032X<br>UL MH19482                |
| Degree of protection                   | IP65                                        |
| Nominal width                          | 14.5 mm                                     |
| Width dimension                        | 71 mm                                       |
| Exhaust air function                   | With flow control option                    |
| Sealing principle                      | Soft                                        |
| Mounting position                      | Any                                         |
| Conforms to standard                   | ISO 5599-1                                  |
| Manual override                        | Detenting via accessory<br>Non-detenting    |
| ISO code                               | 364                                         |
| Type of control                        | Pilot-controlled                            |
| Pilot air supply port                  | External                                    |
| Flow direction                         | Reversible                                  |
| Symbol                                 | 00991301                                    |
| Lap                                    | Overlap                                     |
| Pilot pressure MPa                     | 0.2 MPa ... 1 MPa                           |
| Pilot pressure                         | 2 bar ... 10 bar                            |
| Suitability for vacuum                 | yes                                         |
| Switching time off                     | 66 ms                                       |
| On switching time                      | 60 ms                                       |
| Max. positive test pulse with 0 signal | 2200 µs                                     |

| Feature                                  | Value                                                                                |
|------------------------------------------|--------------------------------------------------------------------------------------|
| Max. negative test pulse on 1 signal     | 3700 µs                                                                              |
| Operating medium                         | Compressed air as per ISO 8573-1:2010 [7:4:4]                                        |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use)                   |
| Vibration resistance                     | Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6 |
| Shock resistance                         | Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27                |
| LABS (PWIS) conformity                   | VDMA24364-B1/B2-L                                                                    |
| Temperature of medium                    | -10 °C ... 60 °C                                                                     |
| Noise level                              | 85 dB(A)                                                                             |
| Pilot medium                             | Compressed air as per ISO 8573-1:2010 [7:4:4]                                        |
| Ambient temperature                      | -5 °C ... 40 °C                                                                      |
| Product weight                           | 960 g                                                                                |
| Electrical connection                    | Via F coil, to be ordered separately                                                 |
| Type of mounting                         | With through-hole and screw                                                          |
| Pilot exhaust air port 84                | M5                                                                                   |
| Pilot air port 14                        | Sub-base, size 3 as per ISO 5599-1                                                   |
| Pneumatic connection 1                   | Sub-base, size 3 as per ISO 5599-1                                                   |
| Pneumatic connection 2                   | Sub-base, size 3 as per ISO 5599-1                                                   |
| Pneumatic connection 3                   | Sub-base, size 3 as per ISO 5599-1                                                   |
| Pneumatic connection 4                   | Sub-base, size 3 as per ISO 5599-1                                                   |
| Pneumatic connection 5                   | Sub-base, size 3 as per ISO 5599-1                                                   |
| Note on materials                        | RoHS-compliant                                                                       |
| Seals material                           | HNBR<br>NBR                                                                          |
| Housing material                         | Die-cast aluminum                                                                    |